

Summative Assessment 2.1-2.3 REVIEW

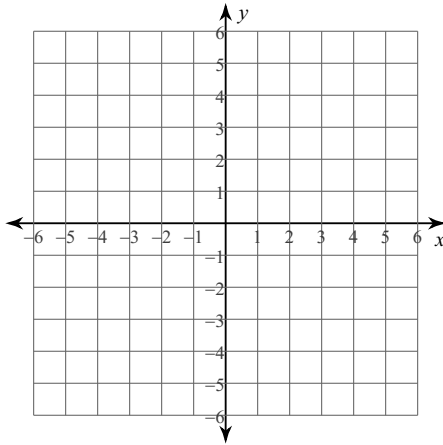
Evaluate each function.

1) $h(t) = -t^2 - 2t$; Find $h(-10)$

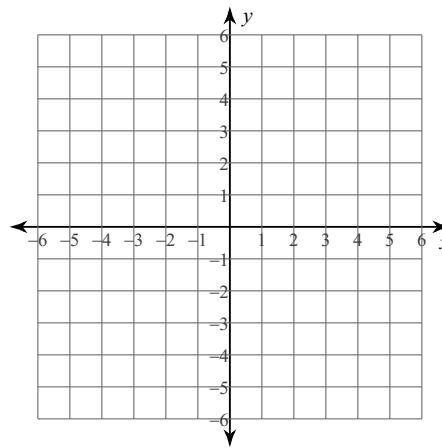
2) $g(n) = 2n^2 - 4$; Find $g(n - 3)$

Sketch the graph of each line.

3) $3x - 4y = -8$



4) $y = \frac{3}{5}x + 3$

**Write the slope-intercept form of the equation of the line through the given point with the given slope.**

5) through: $(2, -2)$, slope = $-\frac{1}{2}$

Write the slope-intercept form of the equation of the line described.

6) through: $(5, 3)$, parallel to $y = -\frac{1}{7}x + 5$

7) through: $(4, 2)$, perp. to $y = -\frac{4}{3}x - 5$

Write the slope-intercept form of the equation of the line through the given points.

8) through: $(3, 5)$ and $(0, 5)$

Write the slope-intercept form of the equation of each line.

9) $3x - 2y = -4$

Write the standard form of the equation of each line.

10) $y = -3x + 5$

Find the slope of the line through each pair of points.

11) $(-12, -12), (-2, 9)$

Find the slope of a line parallel to each given line.

12) $x - 2y = 0$

Find the slope of a line perpendicular to each given line.

13) $2x - y = 0$

Solve each equation.

14) $|a - 7| = 11$

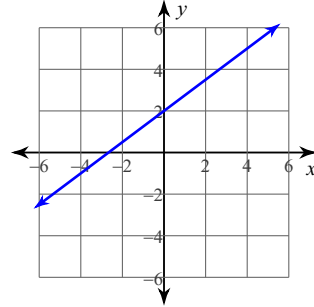
15) $\frac{|4v - 5|}{3} = 1$

Answers to Summative Assessment 2.1-2.3 REVIEW

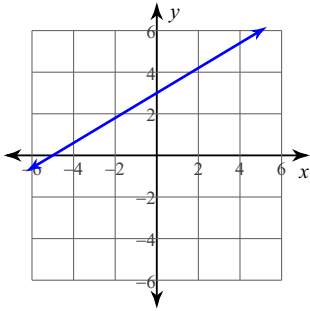
1) -80

2) $8n^2 - 4$

3)



4)



5) $y = -\frac{1}{2}x - 1$

6) $y = -\frac{1}{7}x + \frac{26}{7}$

7) $y = \frac{3}{4}x - 1$

8) $y = 5$

9) $y = \frac{3}{2}x + 2$

10) $3x + y = 5$

11) $\frac{21}{10}$

12) $\frac{1}{2}$

13) $-\frac{1}{2}$

14) $\{18, -4\}$

15) $\left\{2, \frac{1}{2}\right\}$